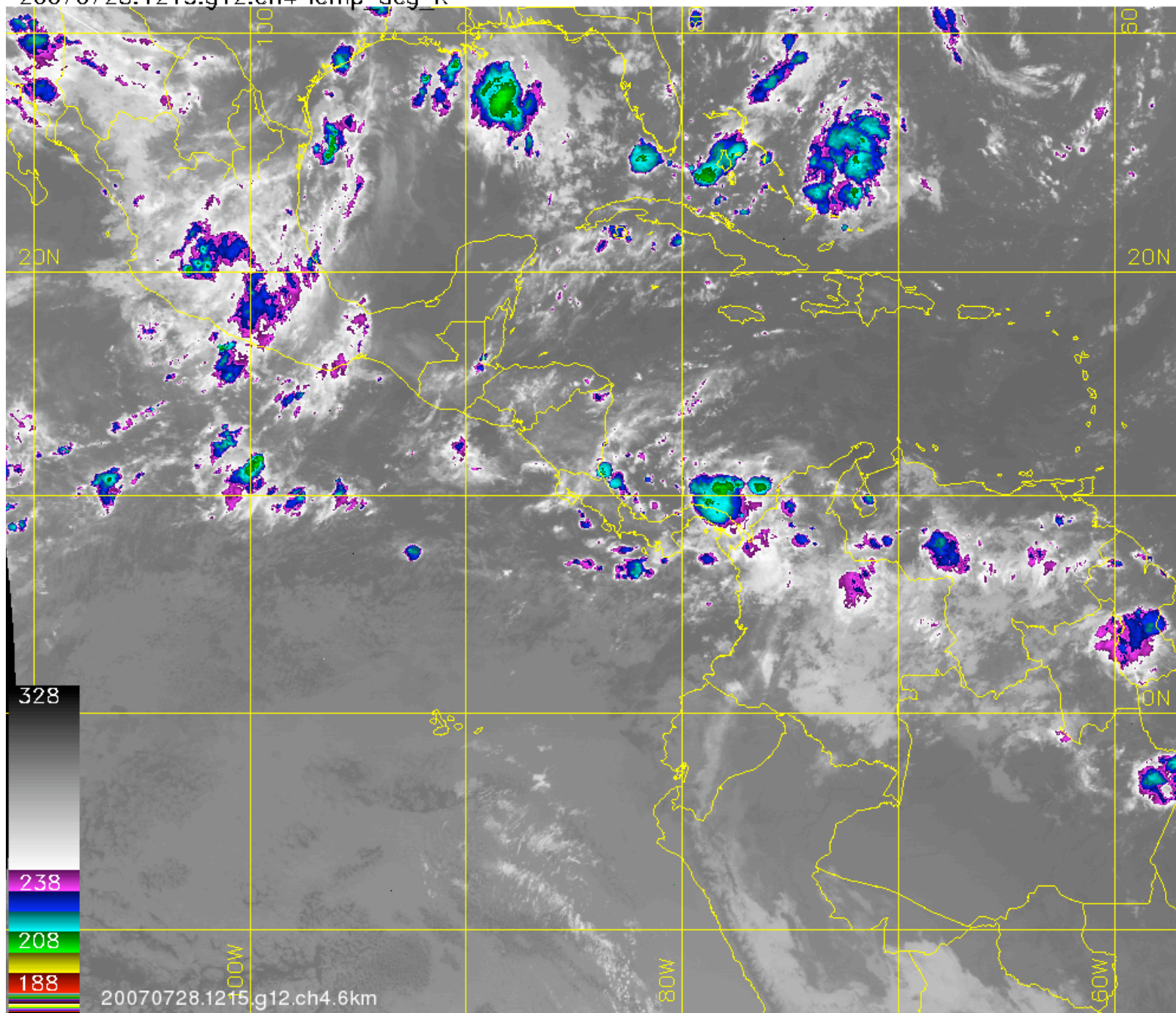


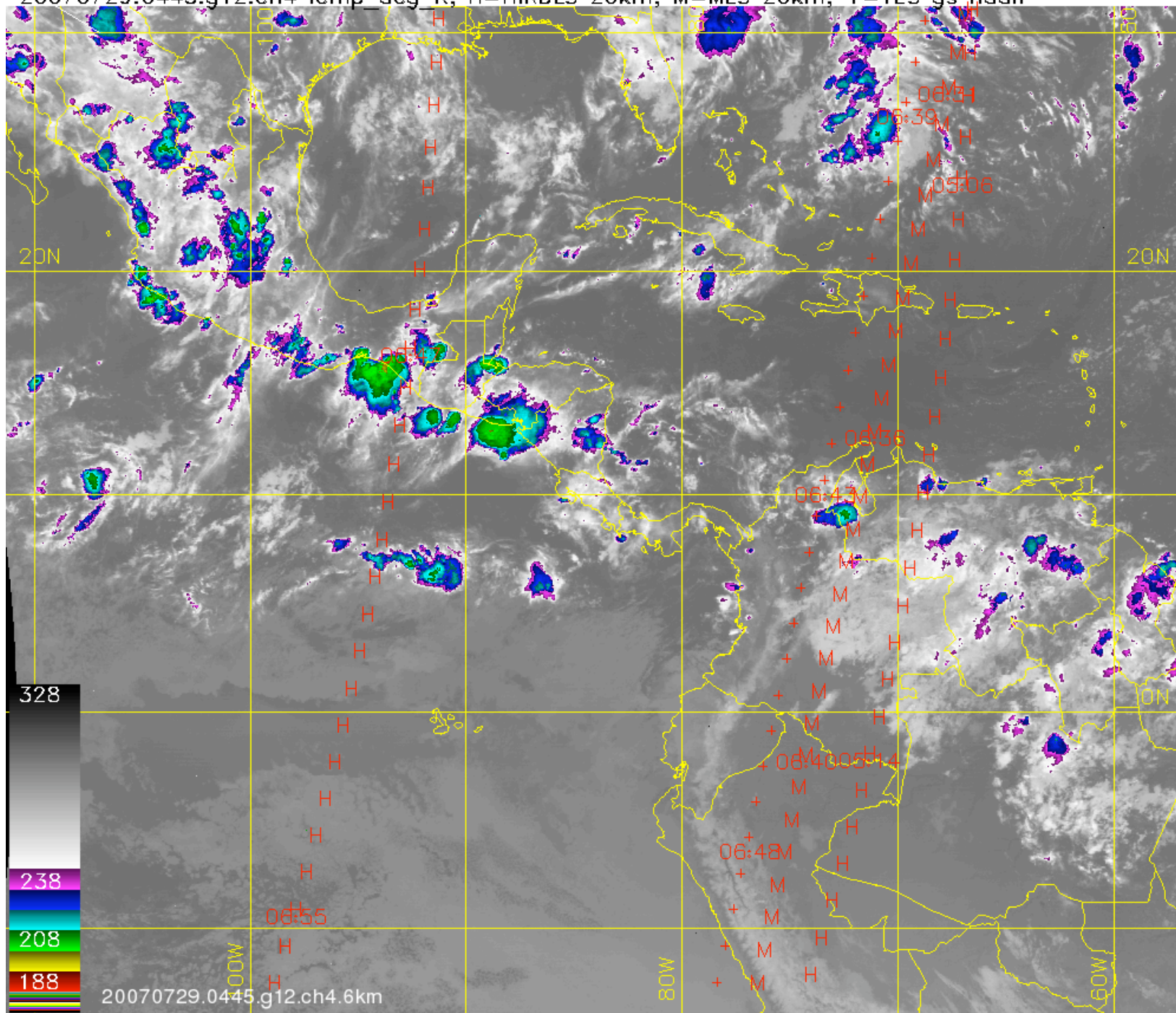
TC⁴ Weather Outlook for 30 and 31 July

**Lenny Pfister, Rennie Selkirk,
Erick Rivera/CIGEFI and Berny
Fallas/IMN**

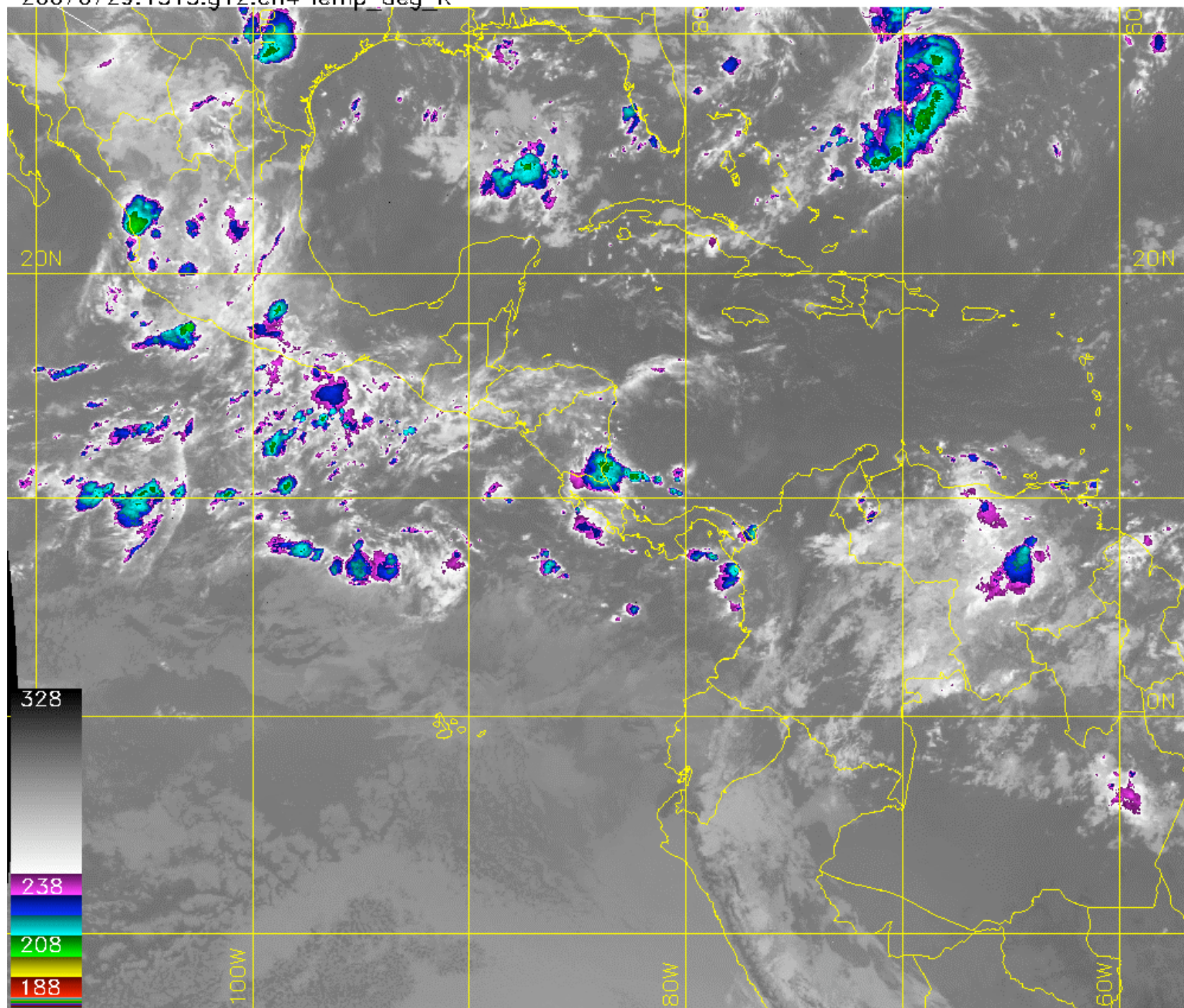
20070728.1215.g12.ch4 temp_deg_K



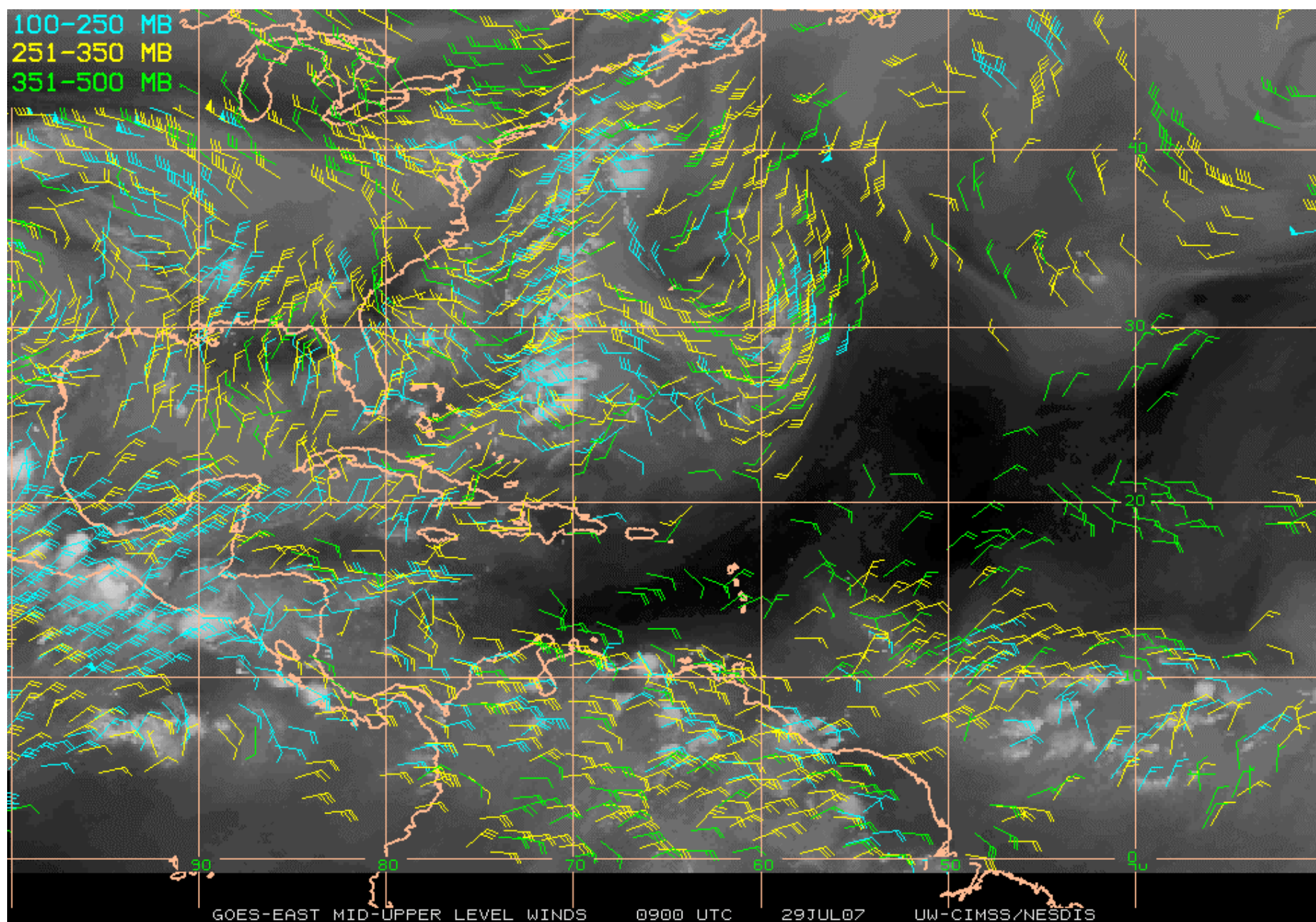
20070729.0445.g12.ch4 temp deg K, H=HIRDLS 20km, M=MLS 20km, +=TES gs nadir



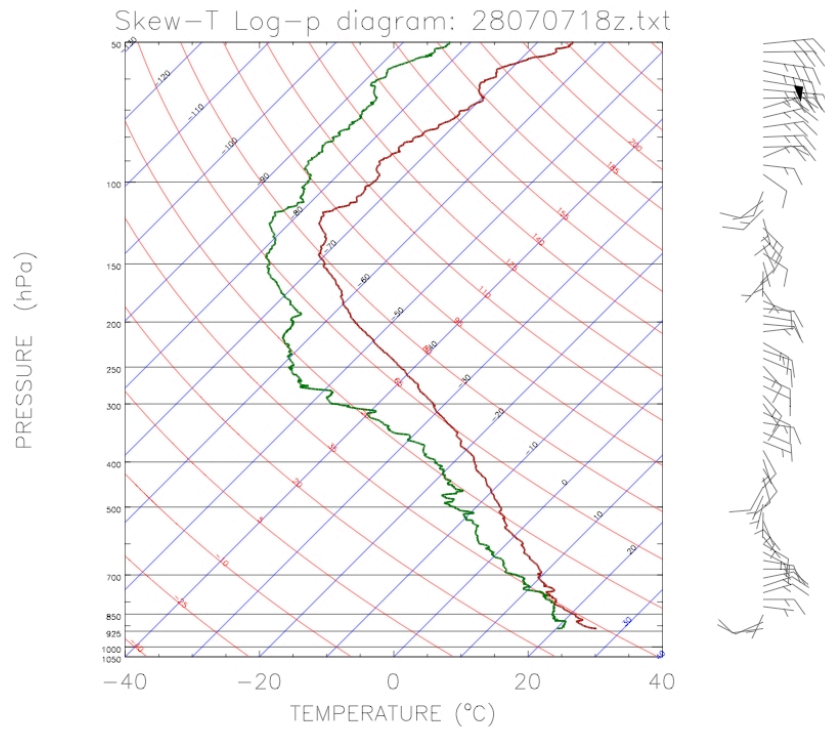
20070729.1315.g12.ch4 temp_deg_K



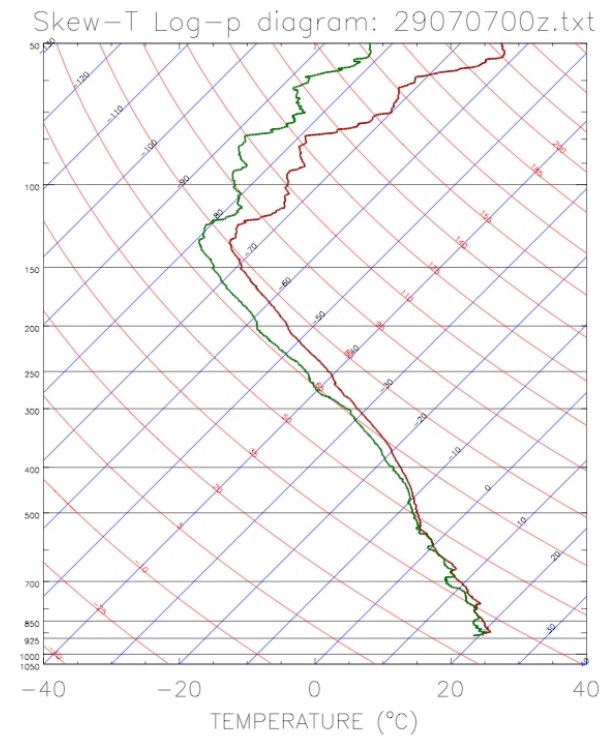
UPPER LEVEL WINDS @ 0900 29 July



TICOSONDE 18 UT 28 July and 00 UT 29 July

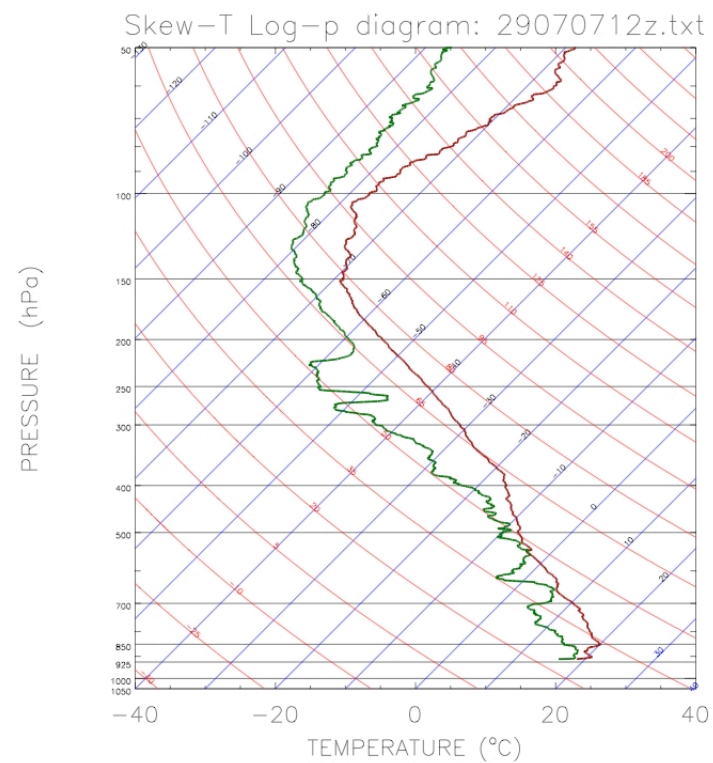
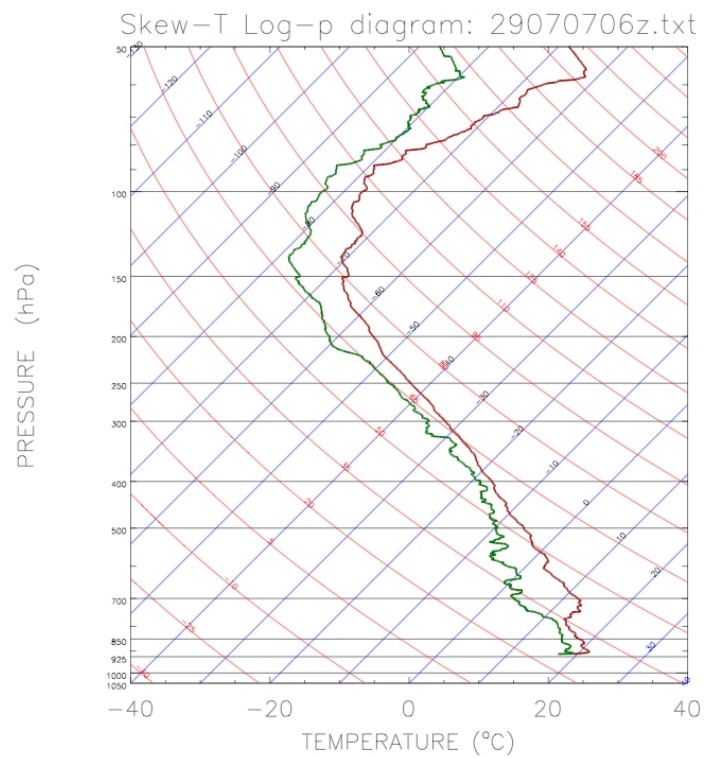


PW 42.8 mm, CAPE 2660!! Boooooom!



**PW 47.9 mm, CAPE 1364
Dripping wet**

TICOSONDE 06 and 12 UT 29 July

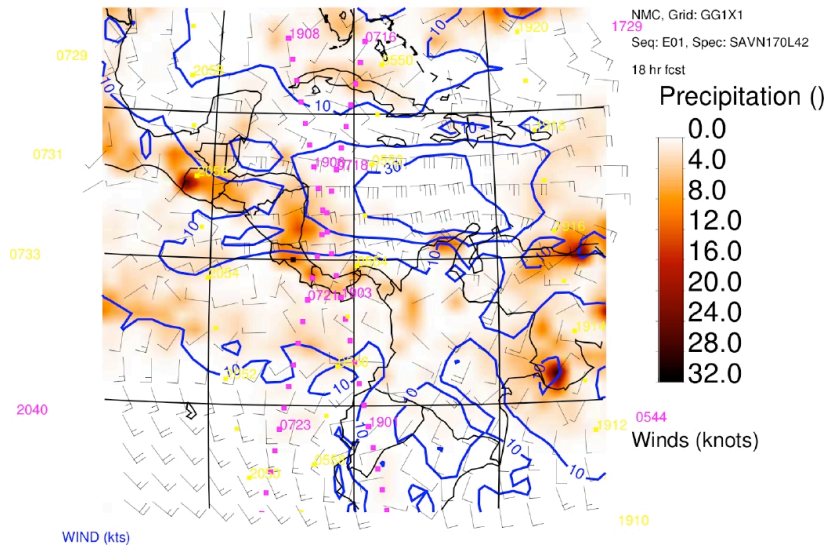


PW ~40.5 mm, CAPE 635

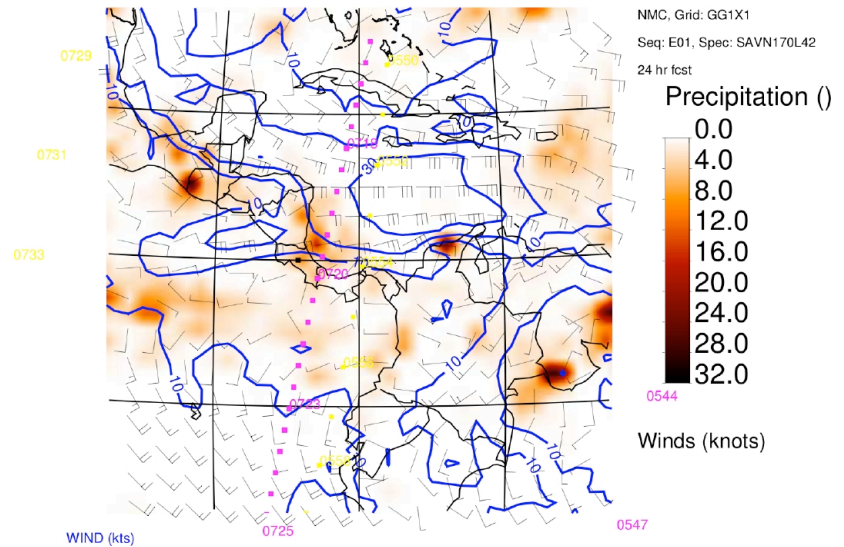
PW ~40.5 mm, CAPE 329

925/precip GFS - 30 July

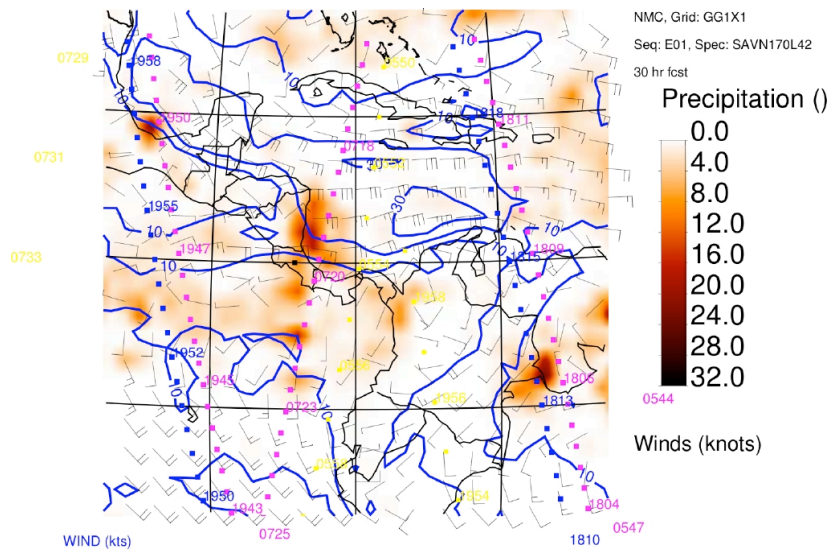
00 UTC on 30 July, 2007 at 925.0 mb



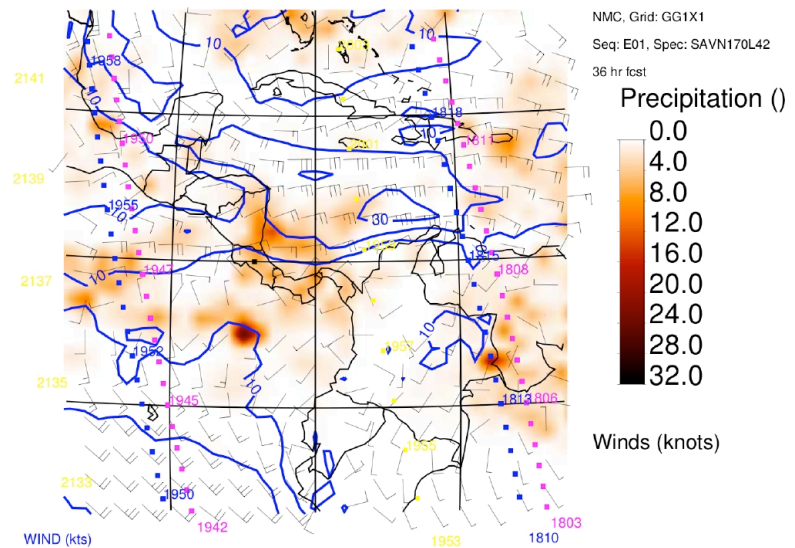
06 UTC on 30 July, 2007 at 925.0 mb



12 UTC on 30 July, 2007 at 925.0 mb

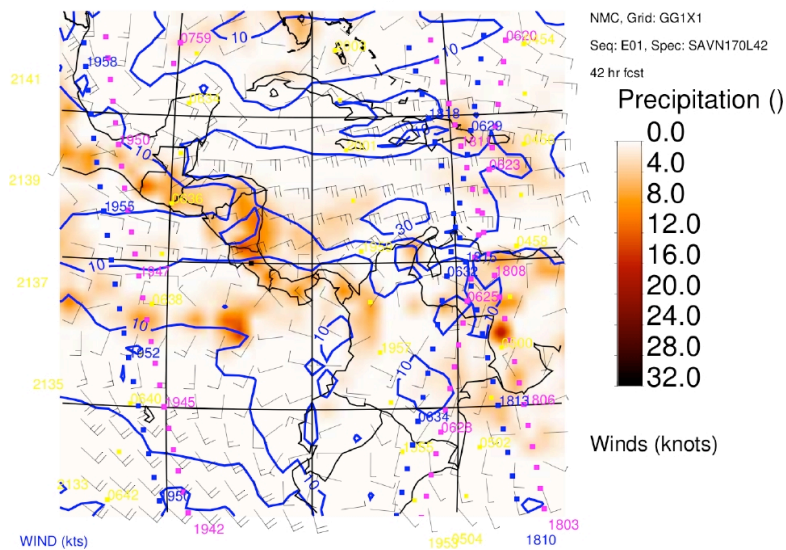


18 UTC on 30 July, 2007 at 925.0 mb

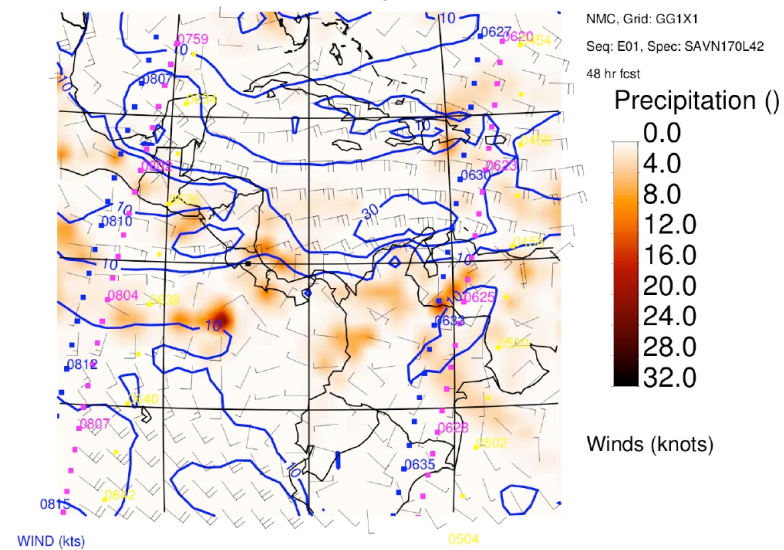


925/precip GFS - 31 July

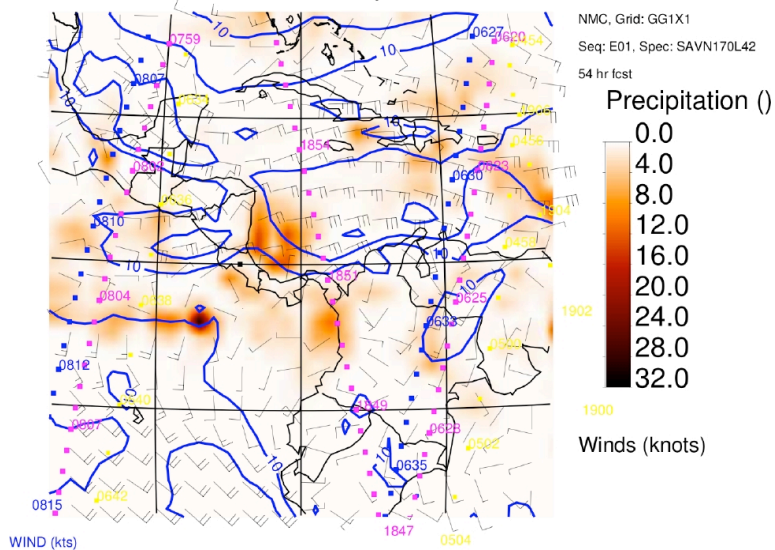
00 UTC on 31 July, 2007 at 925.0 mb



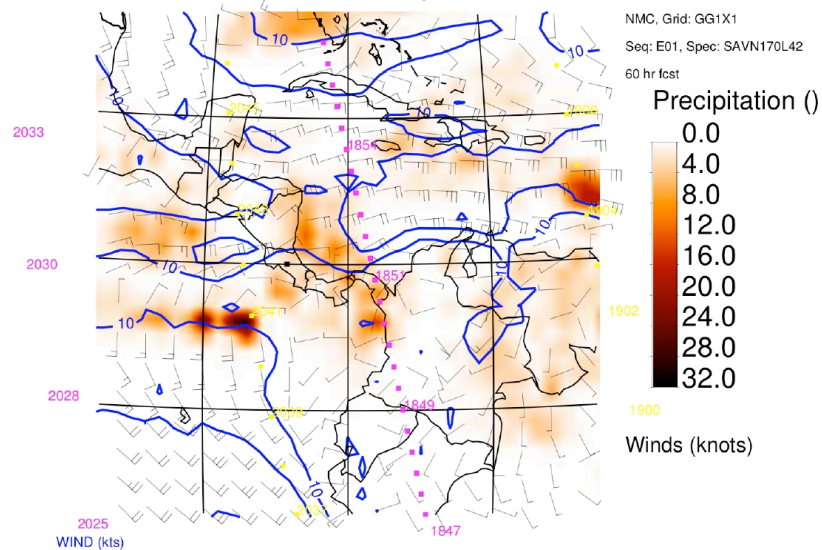
06 UTC on 31 July, 2007 at 925.0 mb



12 UTC on 31 July, 2007 at 925.0 mb



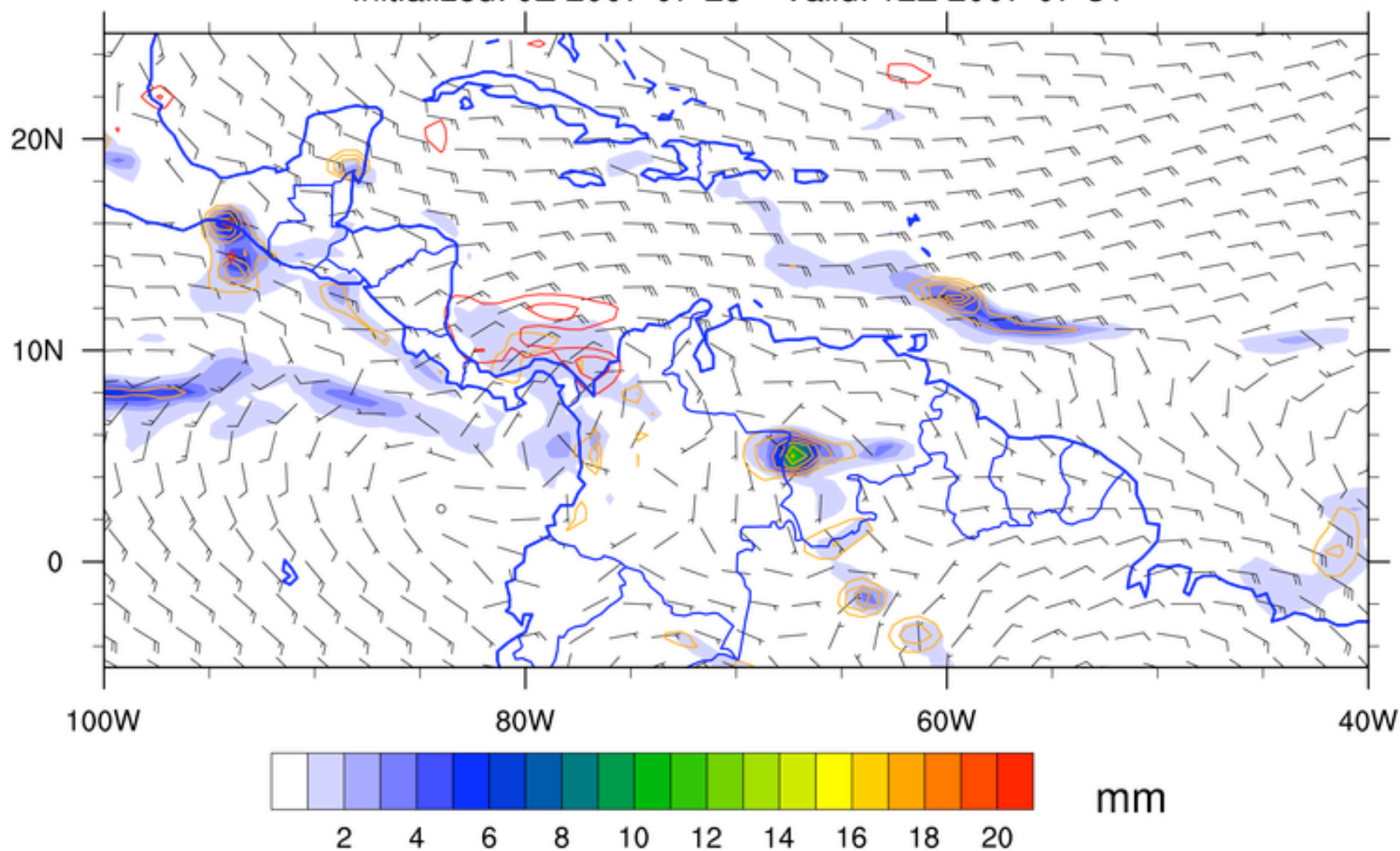
18 UTC on 31 July, 2007 at 925.0 mb



GEOS-5 Forecast Model, 0.5° x 0.666°

3 Hr Precip (mm), 925 mb Winds (knots), 200&500 mb w (cm/s)

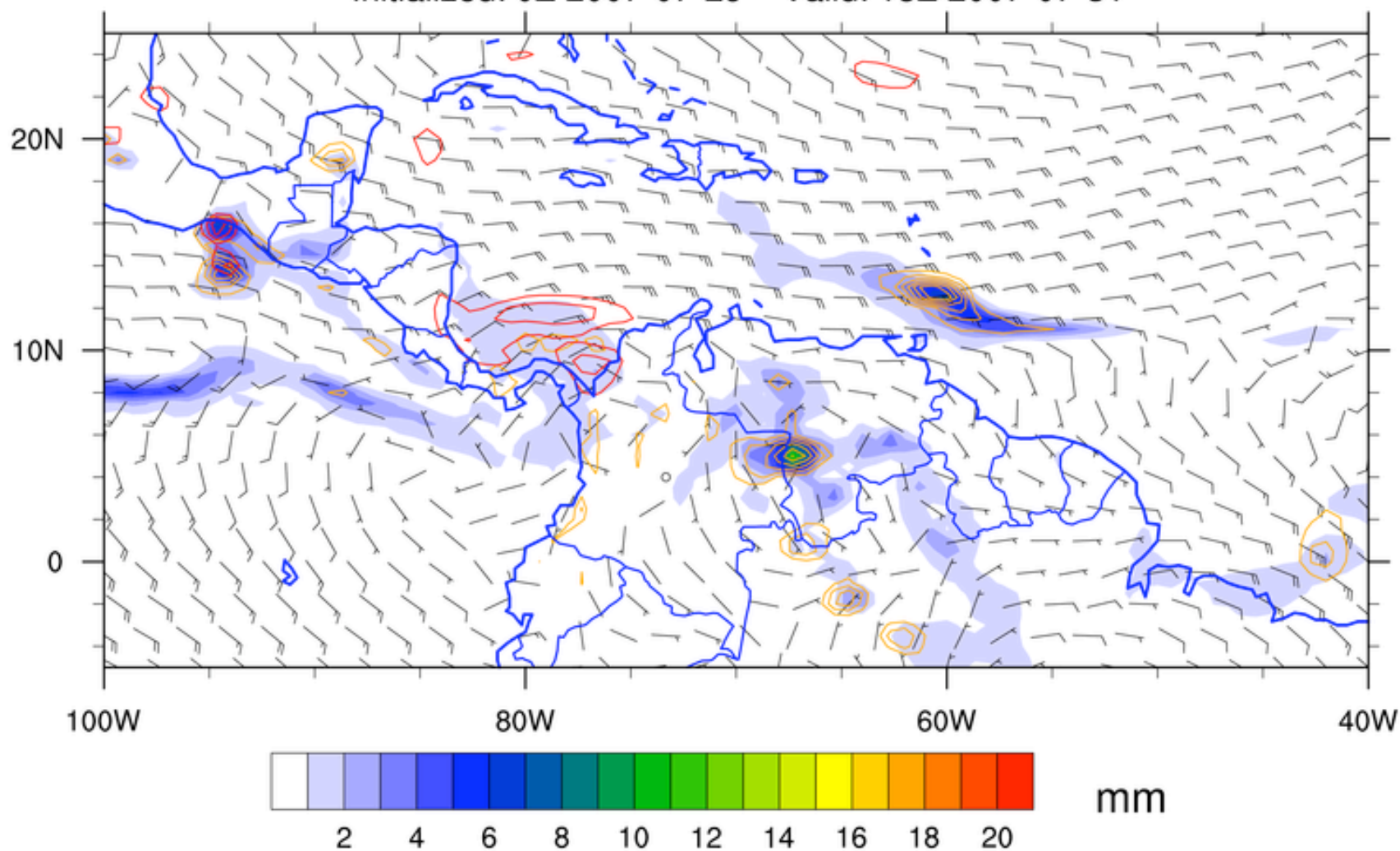
Initialized: 0Z 2007-07-29 Valid: 12Z 2007-07-31



GEOS-5 Forecast Model, $0.5^\circ \times 0.666^\circ$

3 Hr Precip (mm), 925 mb Winds (knots), 200&500 mb w (cm/s)

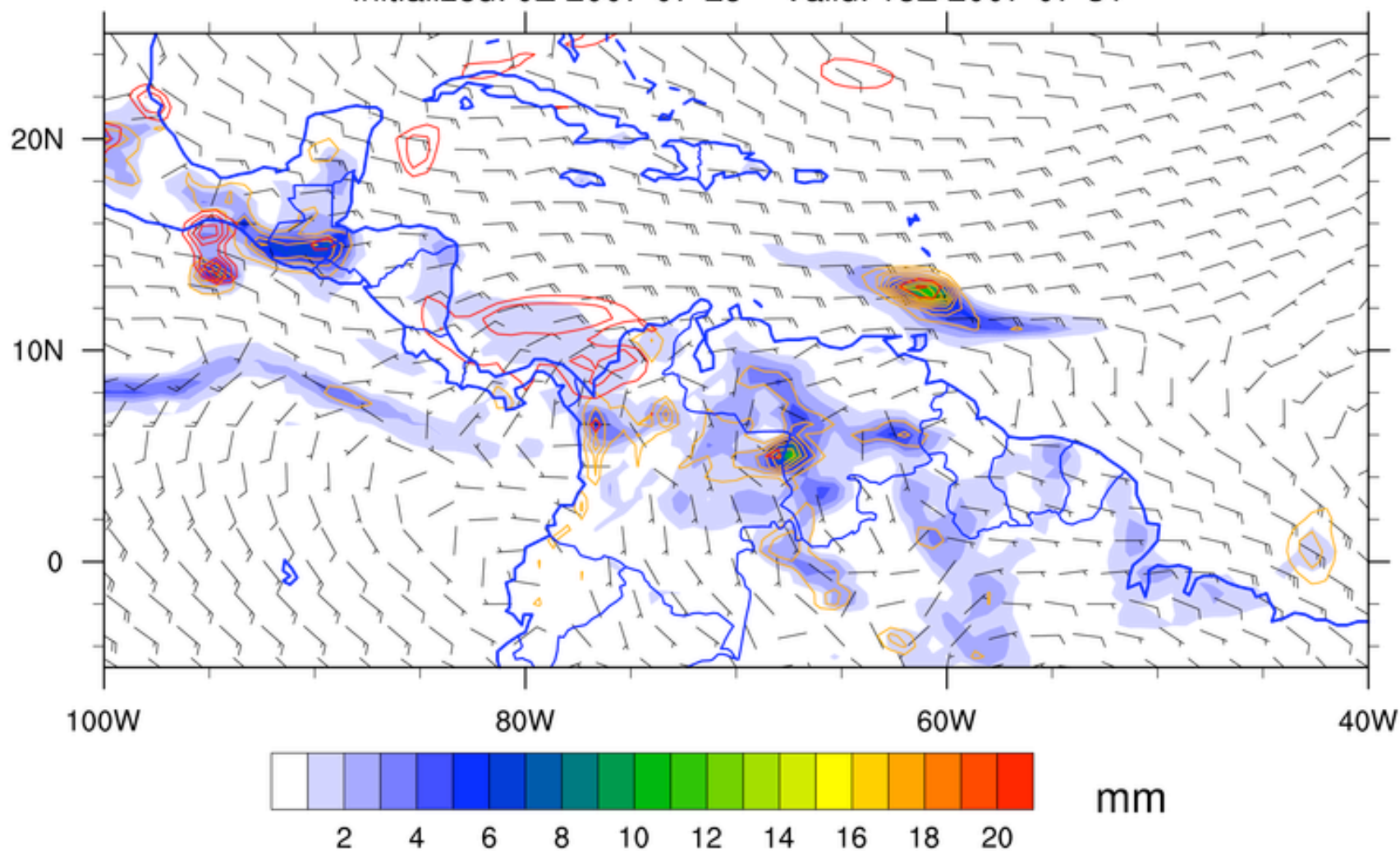
Initialized: 0Z 2007-07-29 Valid: 15Z 2007-07-31



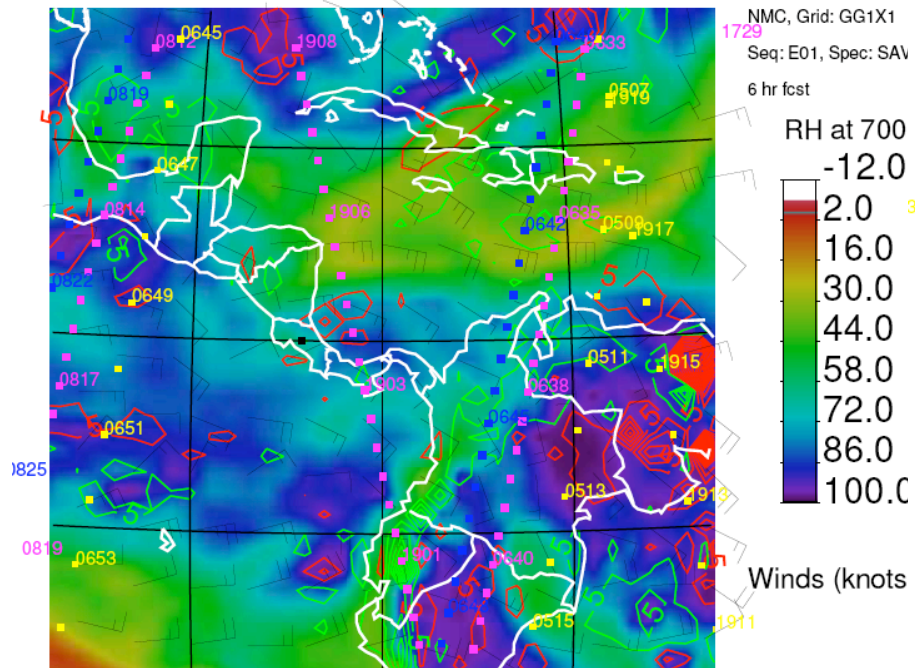
GEOS-5 Forecast Model, $0.5^\circ \times 0.666^\circ$

3 Hr Precip (mm), 925 mb Winds (knots), 200&500 mb w (cm/s)

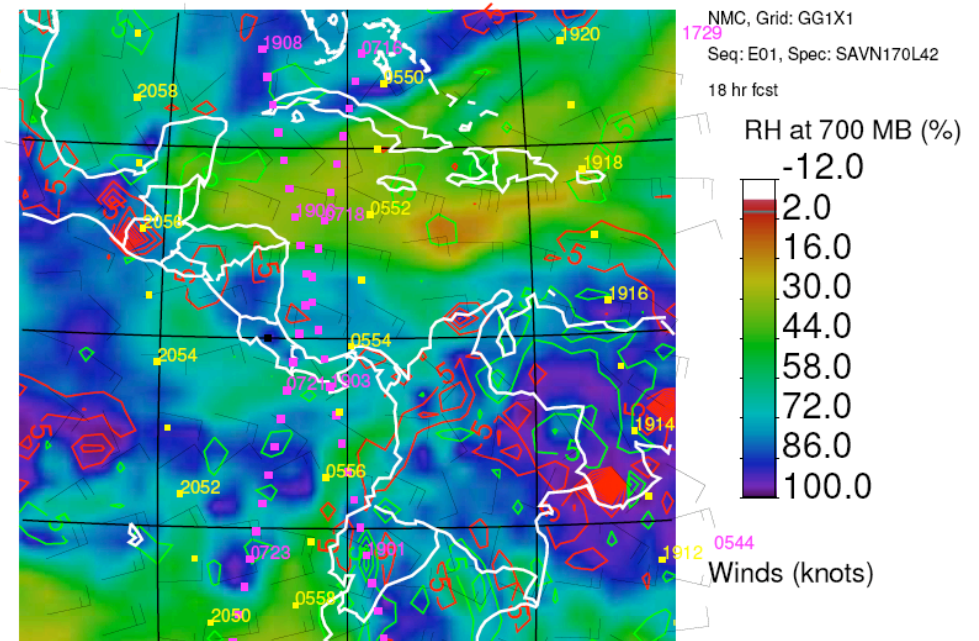
Initialized: 0Z 2007-07-29 Valid: 18Z 2007-07-31



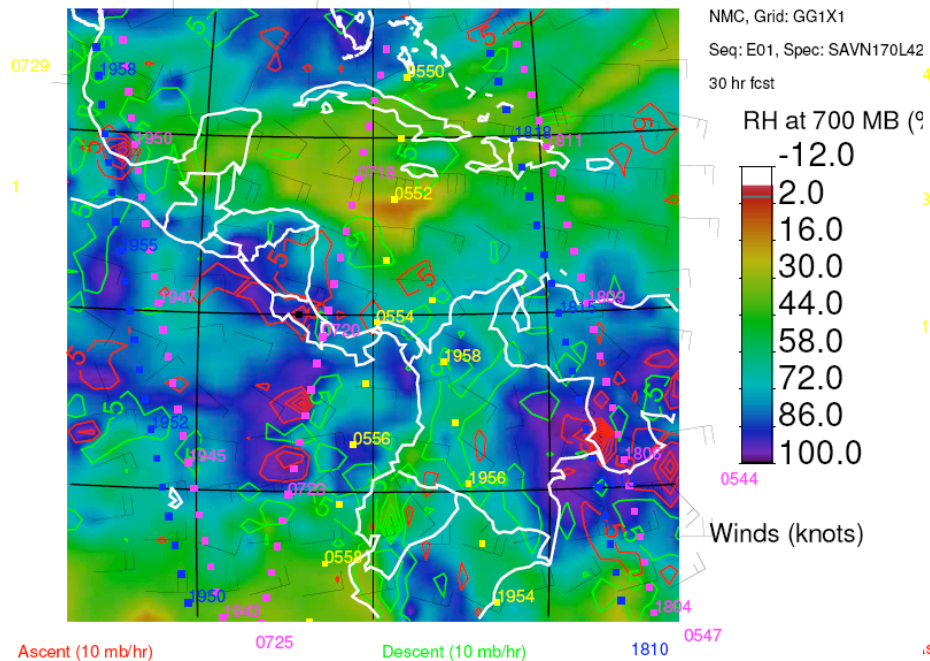
12 UTC on 29 July, 2007 at 700.0 mb



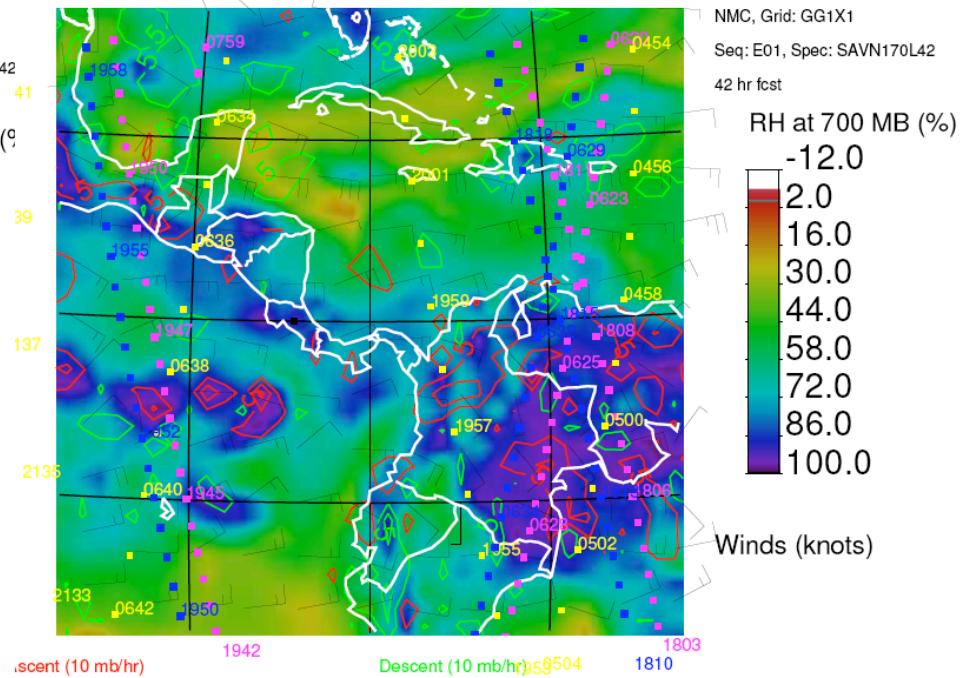
00 UTC on 30 July, 2007 at 700.0 mb



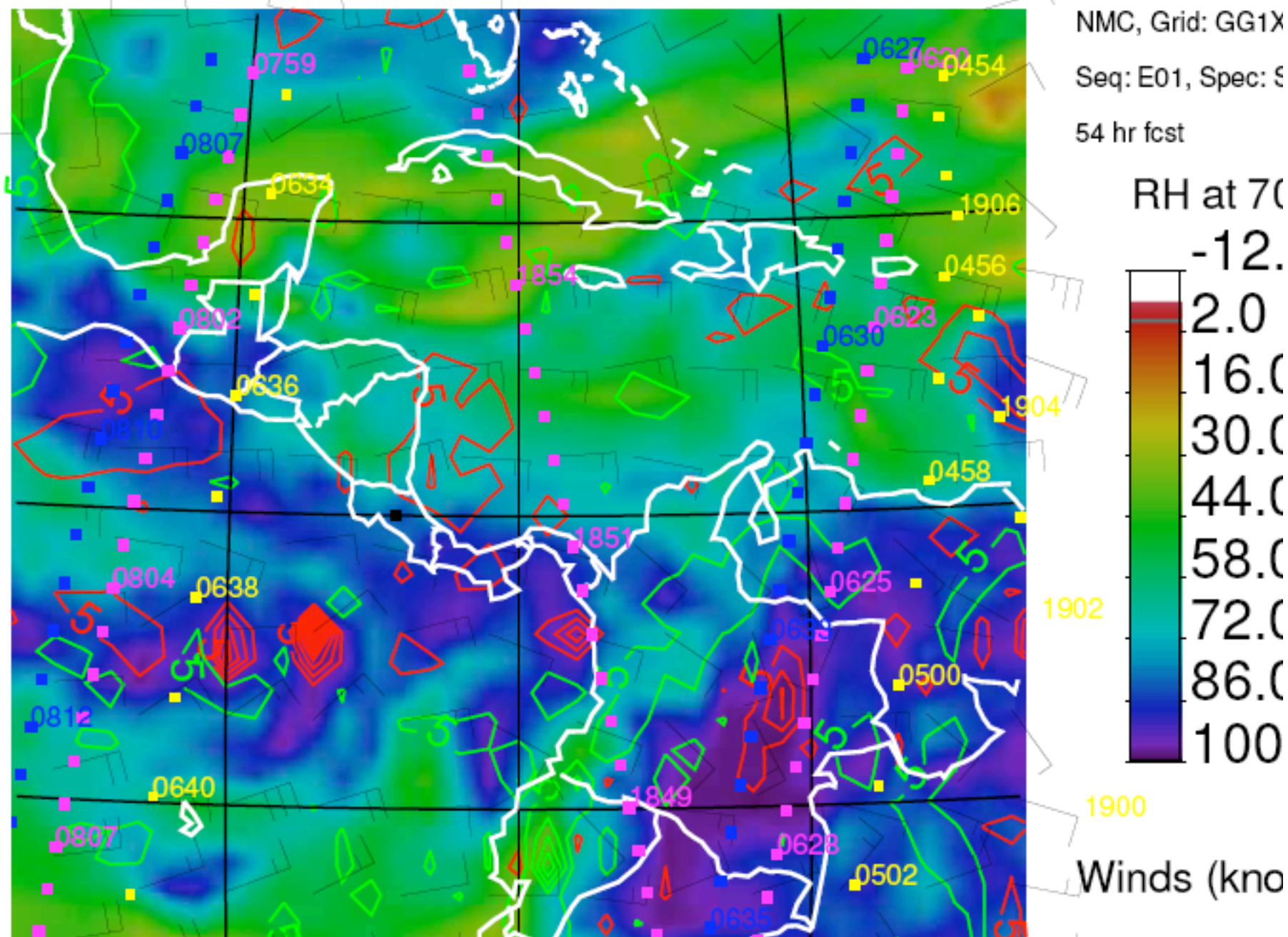
12 UTC on 30 July, 2007 at 700.0 mb



00 UTC on 31 July, 2007 at 700.0 mb



12 UTC on 31 July, 2007 at 700.0 mb

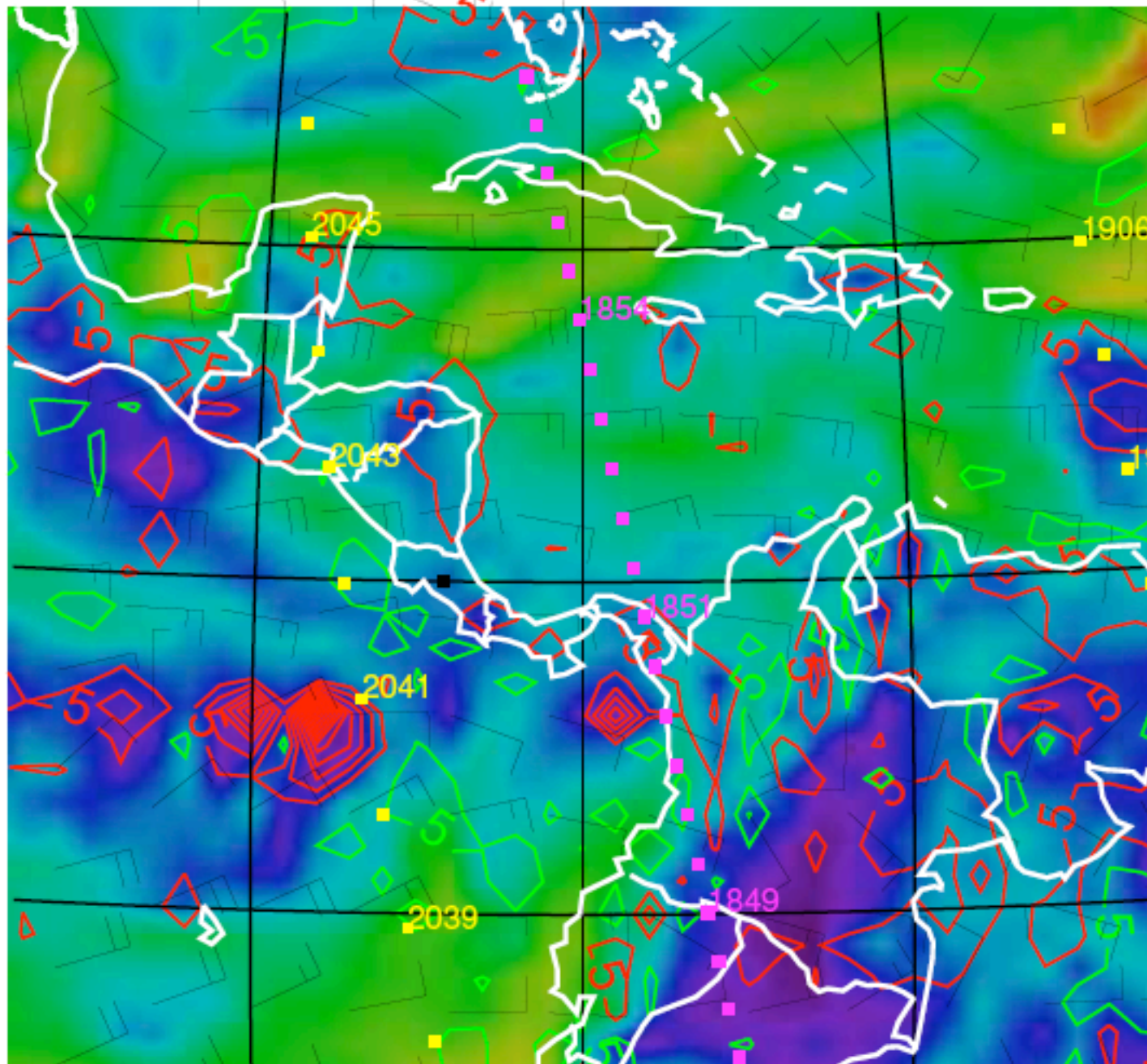


18 UTC on 31 July, 2007 at 700.0 mb

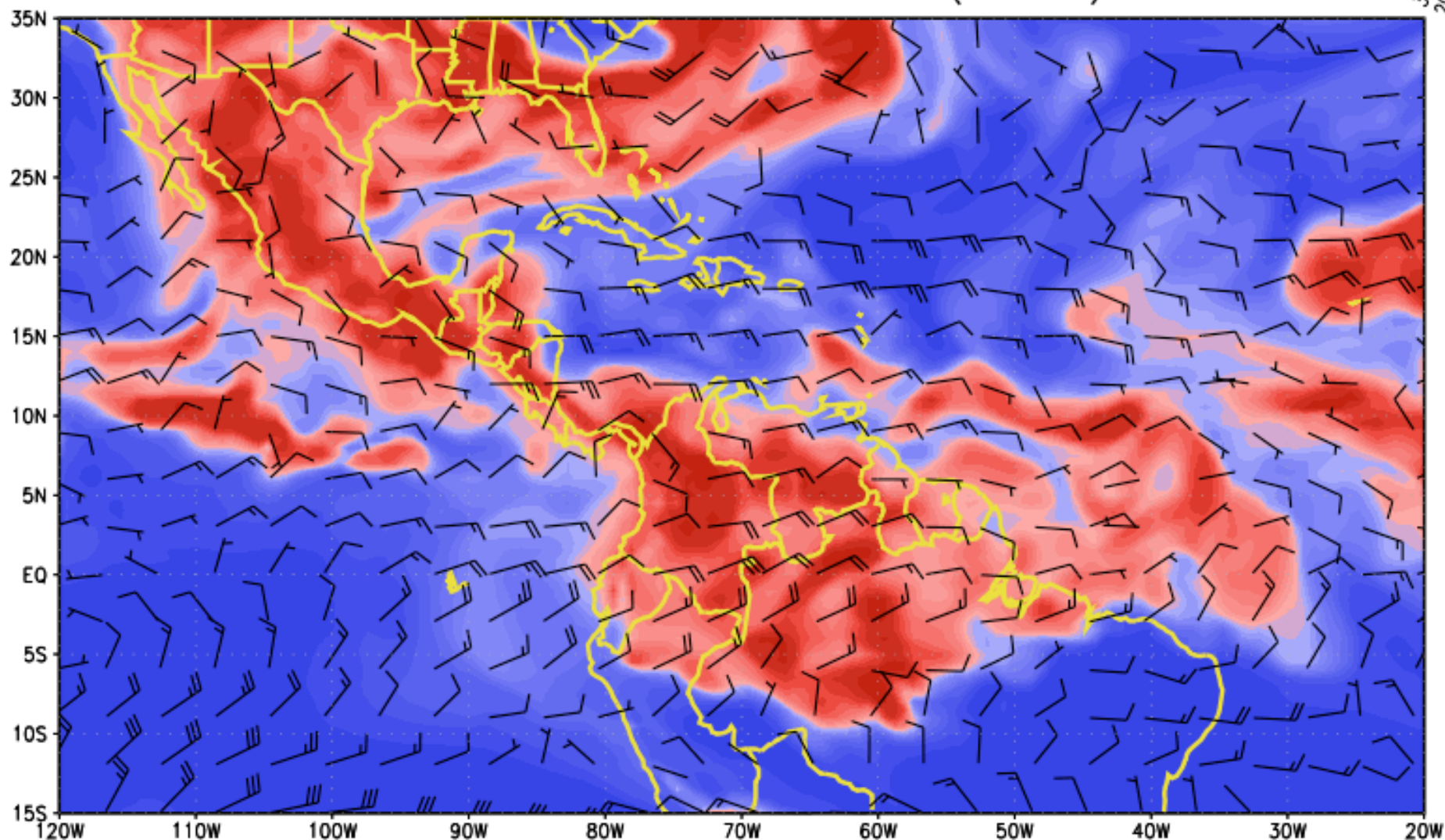
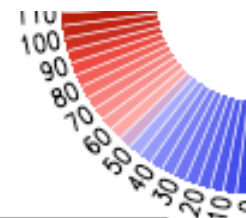
NMC, Grid: GG1X1
Seq: E01, Spec: SAV
60 hr fcst

RH at 700
-12.0
2.0
16.0
30.0
44.0
58.0
72.0
86.0
100.0

Winds (knots)



500 hPa Winds [knots] and Relative Humidity [%]
Valid: Tue 03z 2007-07-31 ($\tau = 63$)



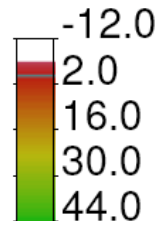
12 UTC on 31 July, 2007 at 200.0 mb

NMC, Grid: GG1X1

Seq: E01, Spec: SAVN170L42

54 hr fcst

RH at 200 MB (%)



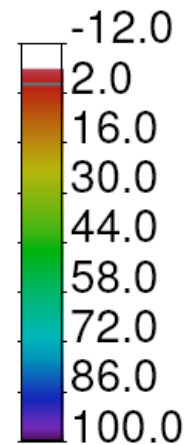
18 UTC on 31 July, 2007 at 200.0 mb

NMC, Grid: GG1X1

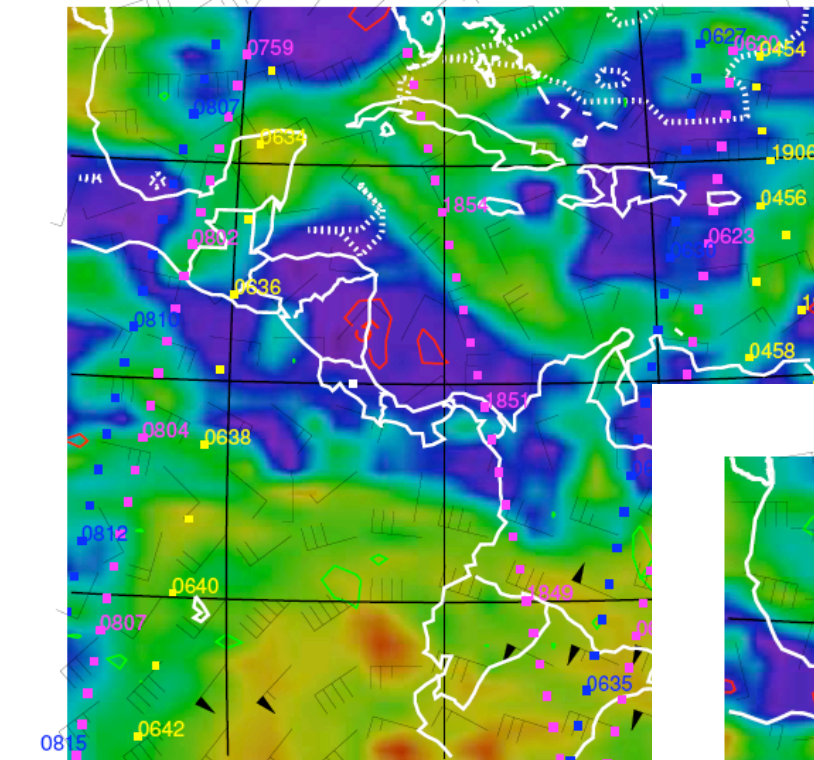
Seq: E01, Spec: SAVN170L42

60 hr fcst

RH at 200 MB (%)



Winds (knots)



Trop ()

Ascent (10 mb/hr)

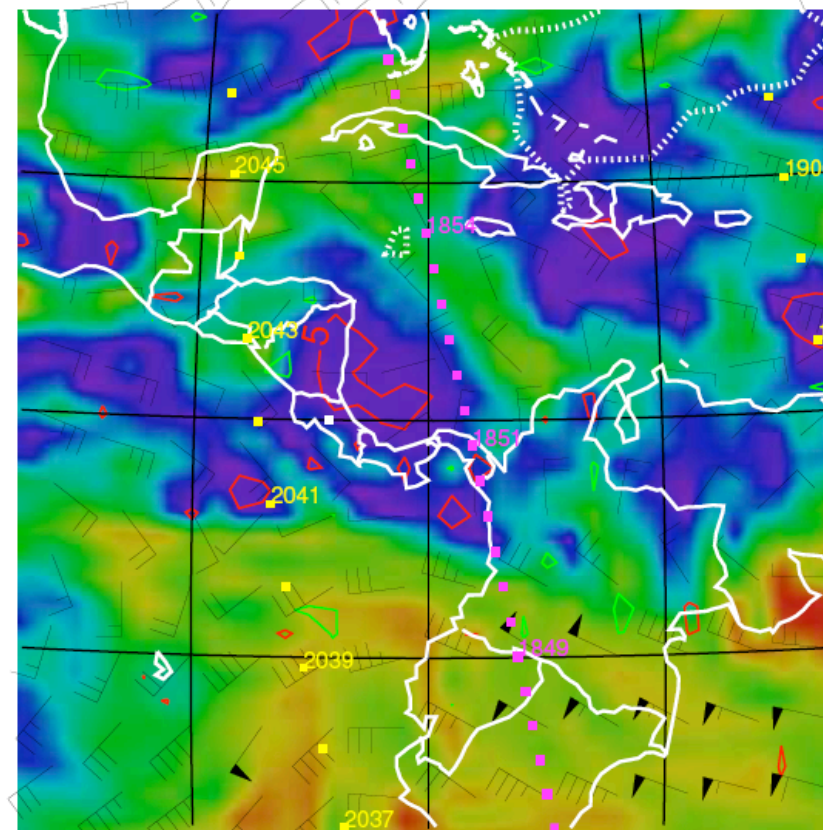
1847

D

0

2028

2025
Trop ()



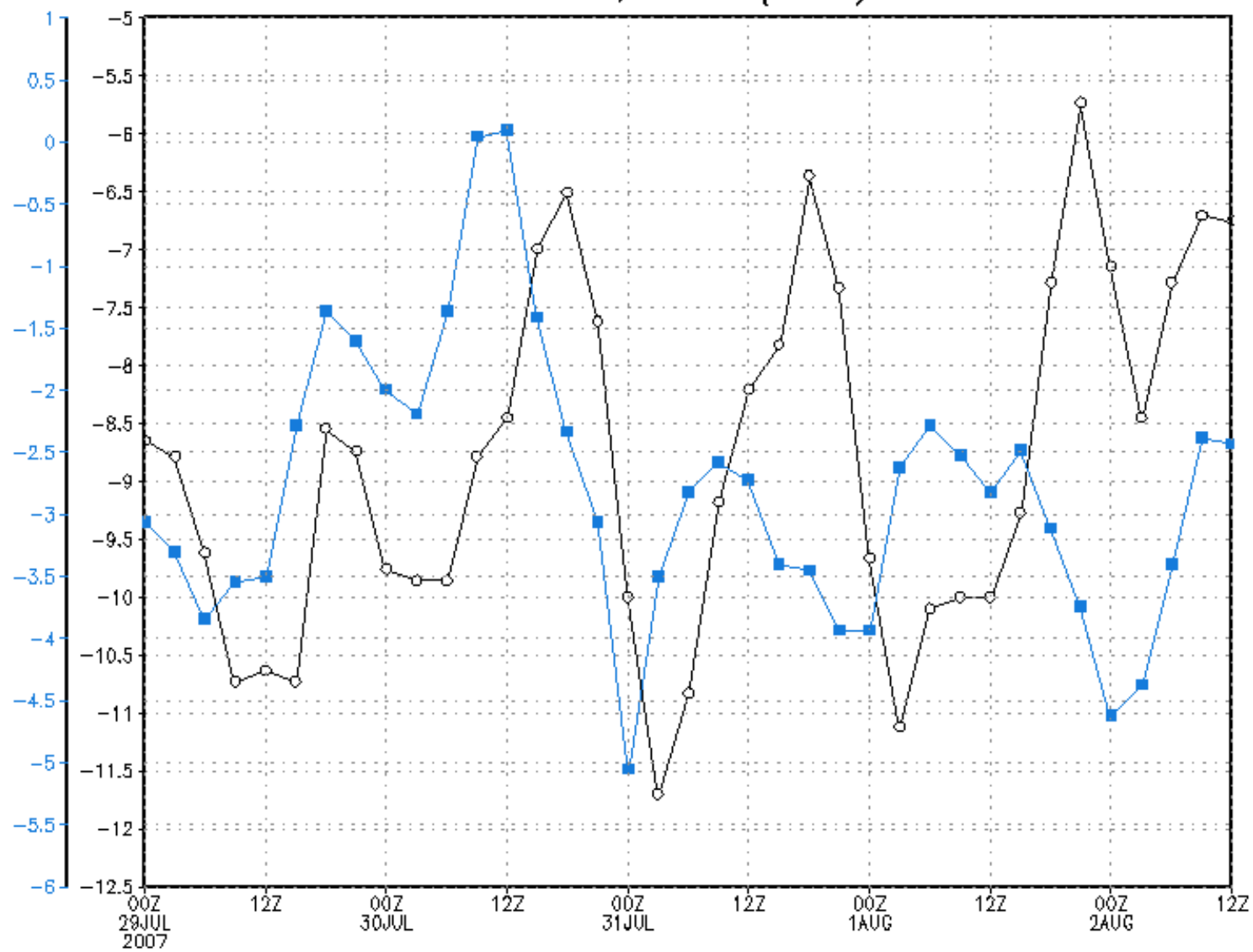
Ascent (10 mb/hr)

1847

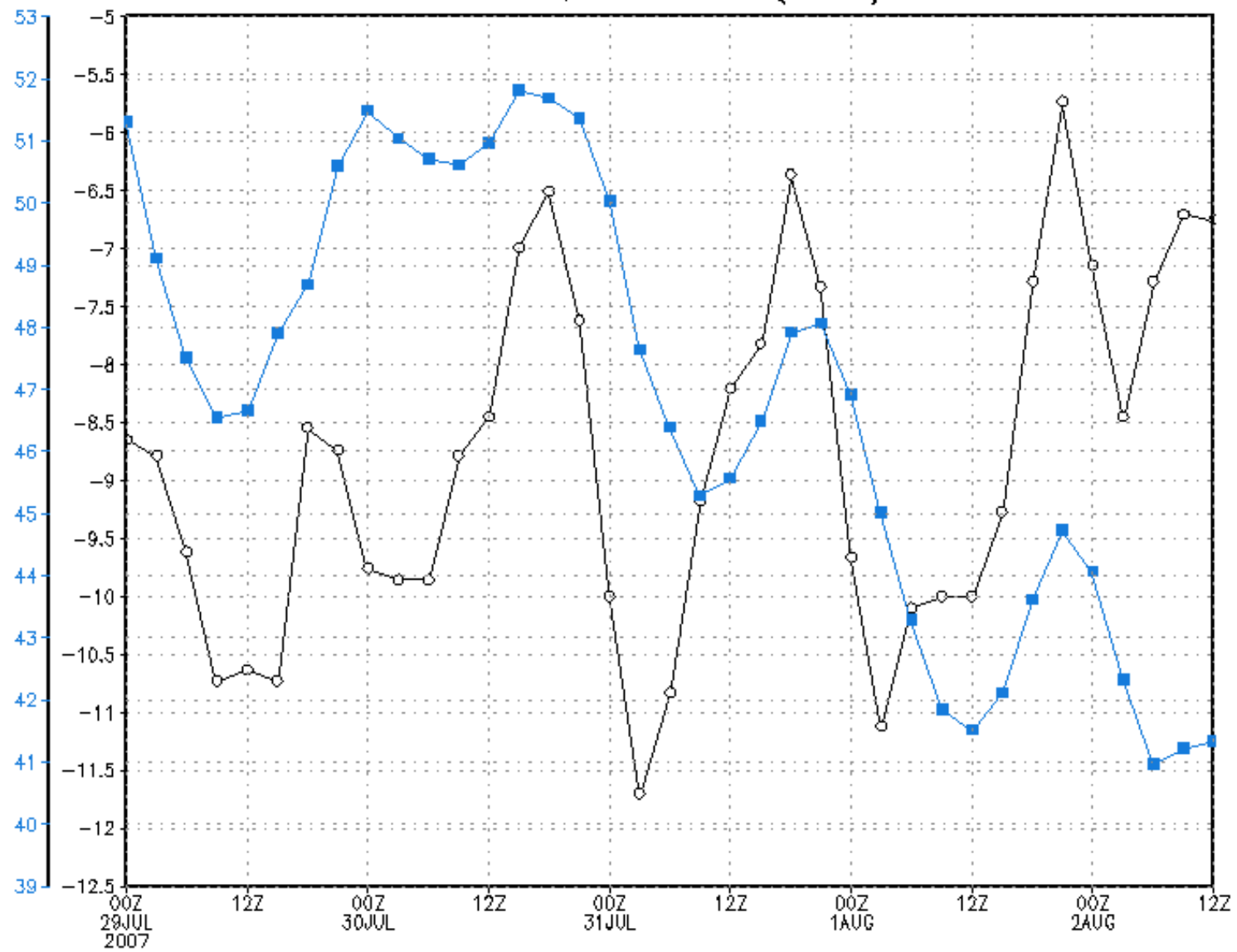
Descent (10 mb/hr)

Trop ()

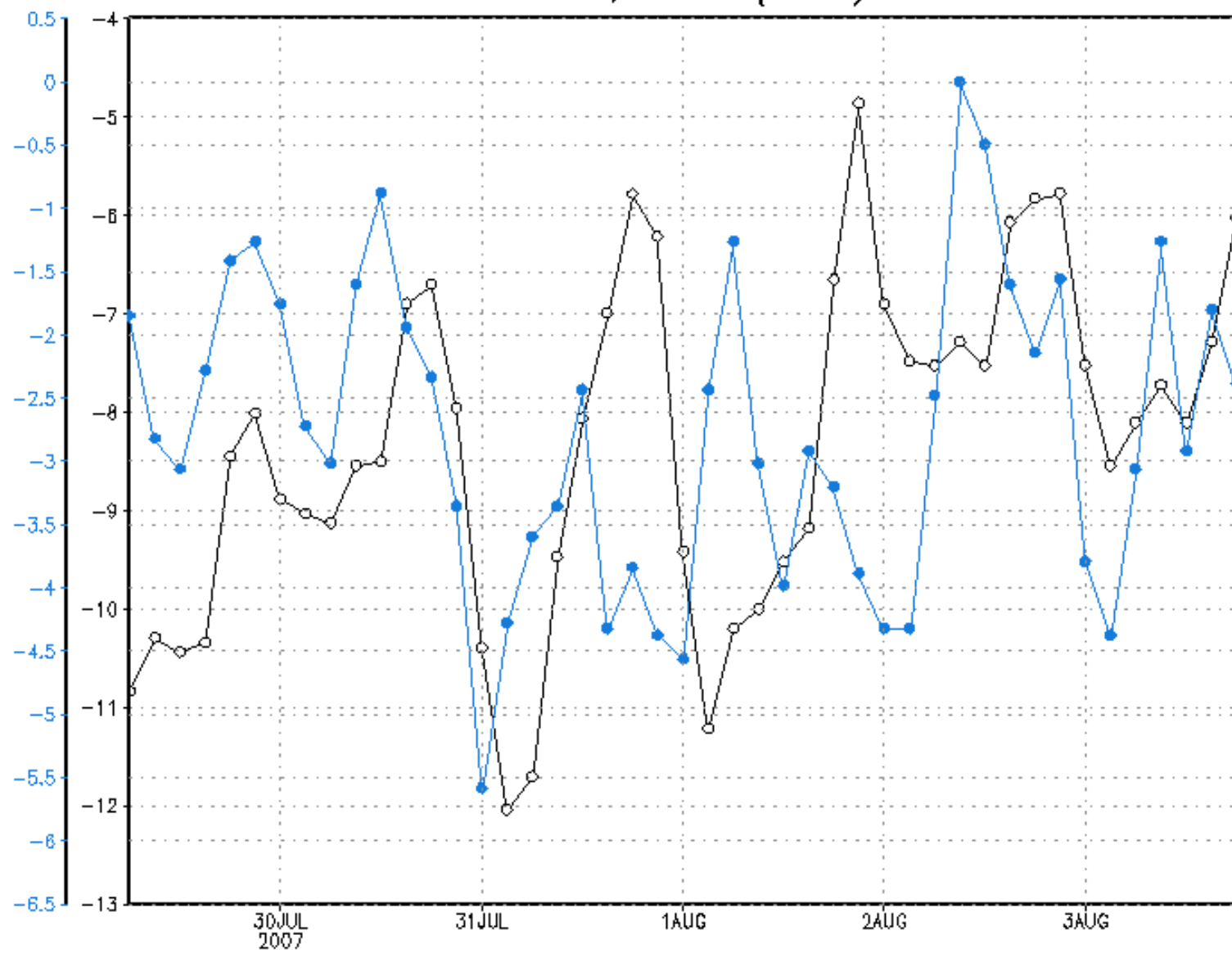
UGRD, VGRD(blue)



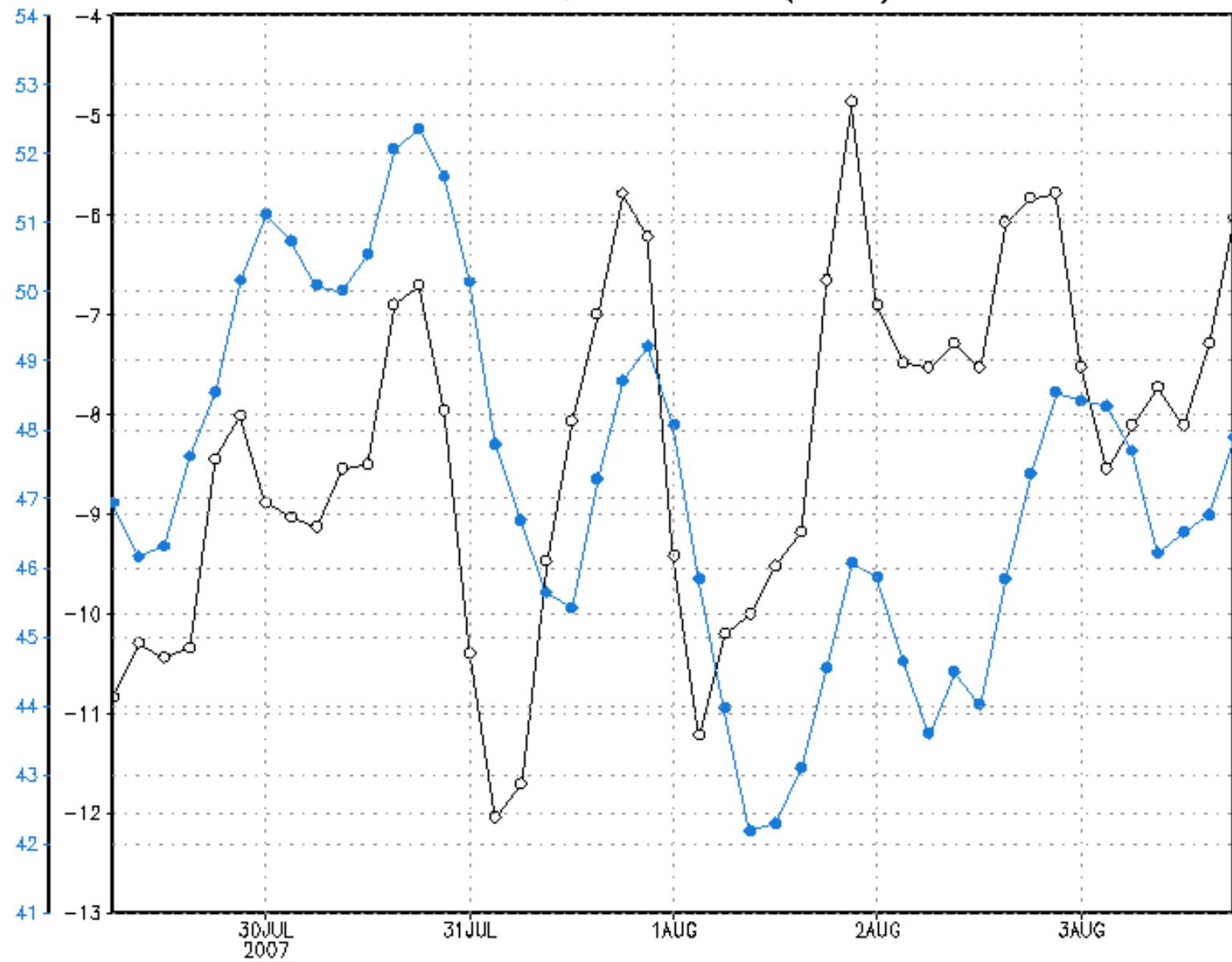
UGRD, PWATclm(blue)



UGRD, VGRD(blue)



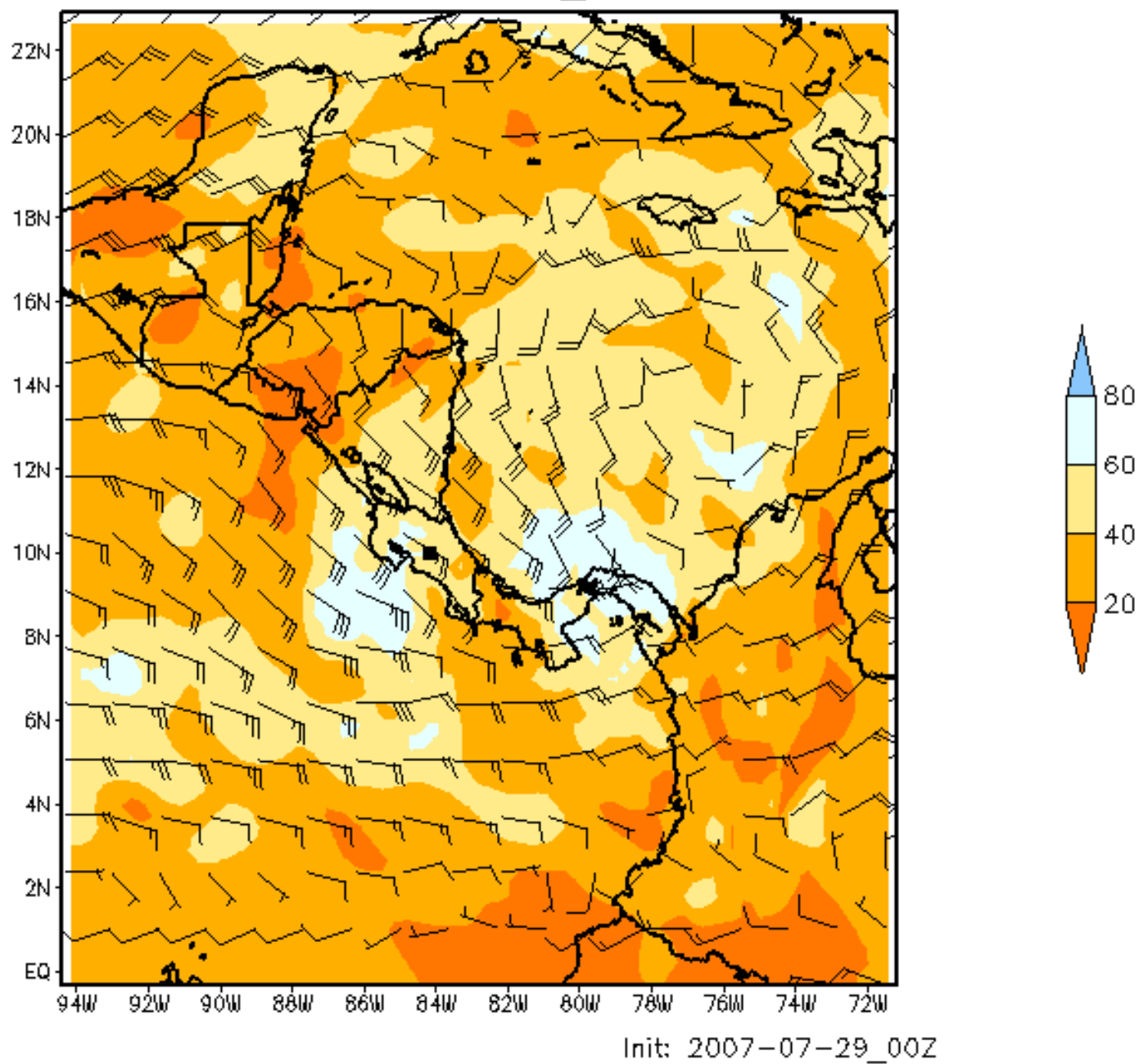
UGRD, PWATclm(blue)



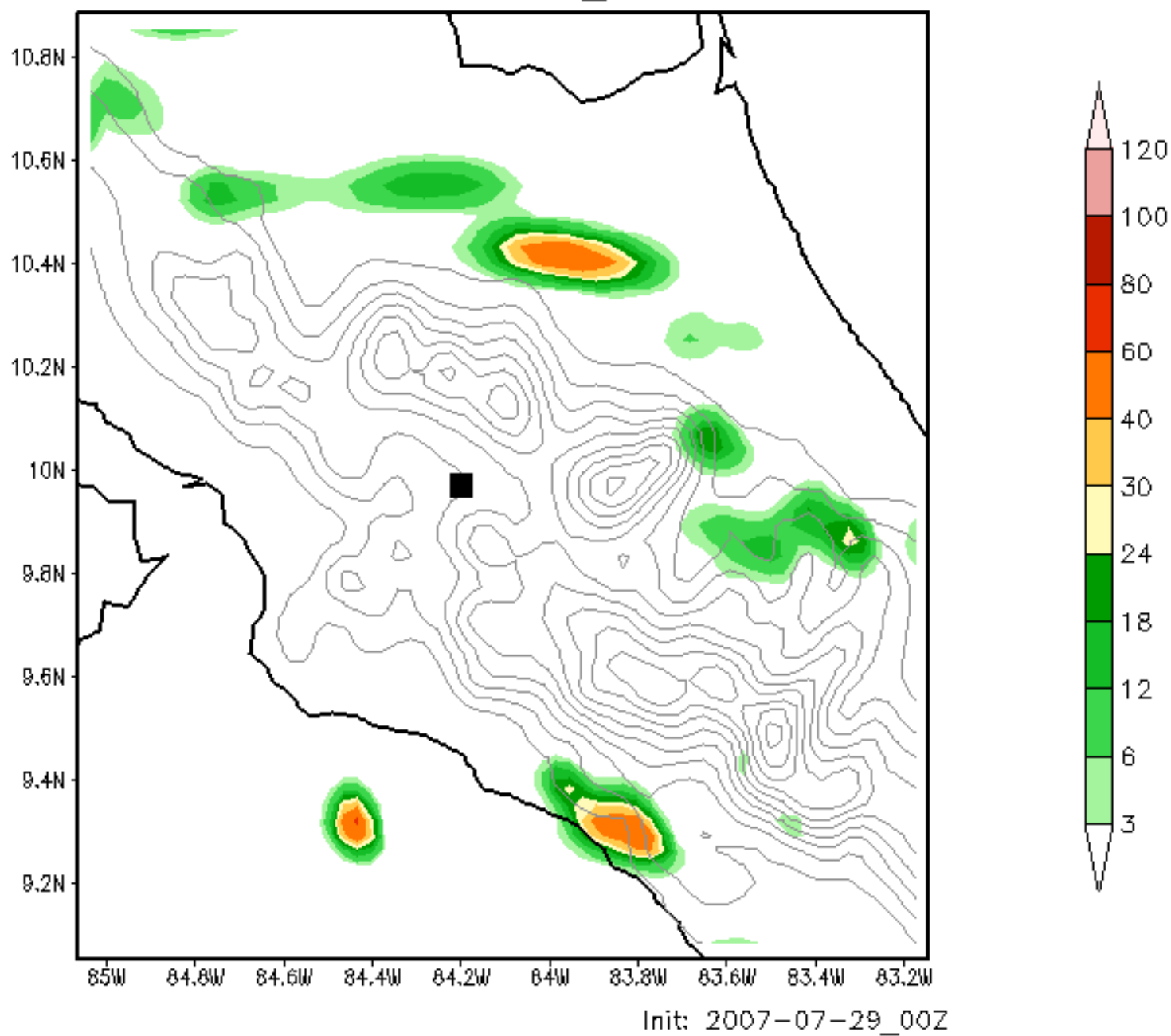
Conditions at the airport on Tuesday

- Earlier wind shift compared with today, due to weaker easterlies
- Less PW compared with today
- Isolated showers in the Central Valley
- Convection west of the airport starting at noon
- Rain at the airport as early as 1 pm
- Suggestion: landing by noon
- Convection will be South of Panama Bight, and ITCZ related convection South-Southwest of CR

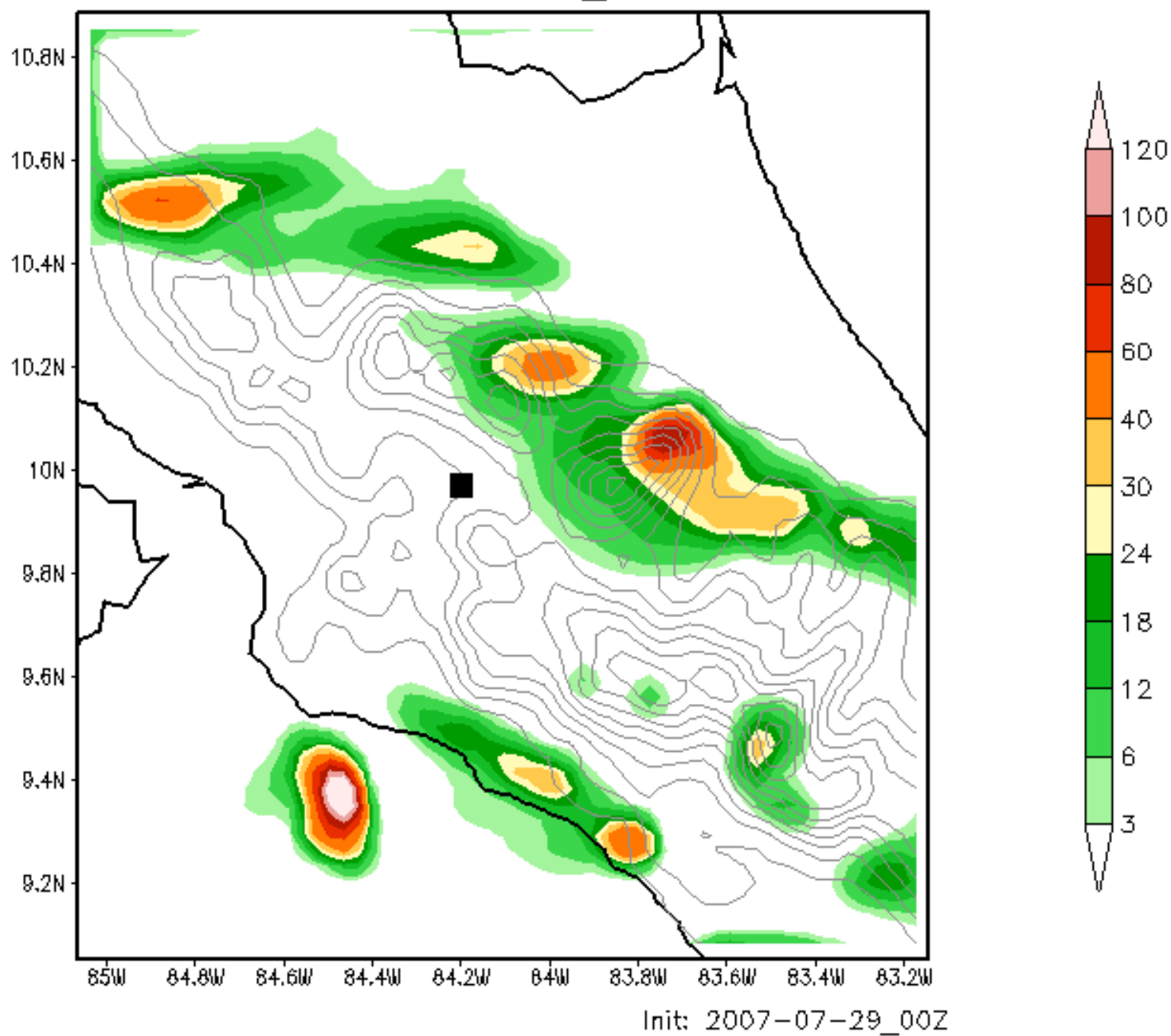
CIGEFI/UCR MM5: 200 mb Relative Humidity (%) and Wind (kt)
2007-07-29_18Z



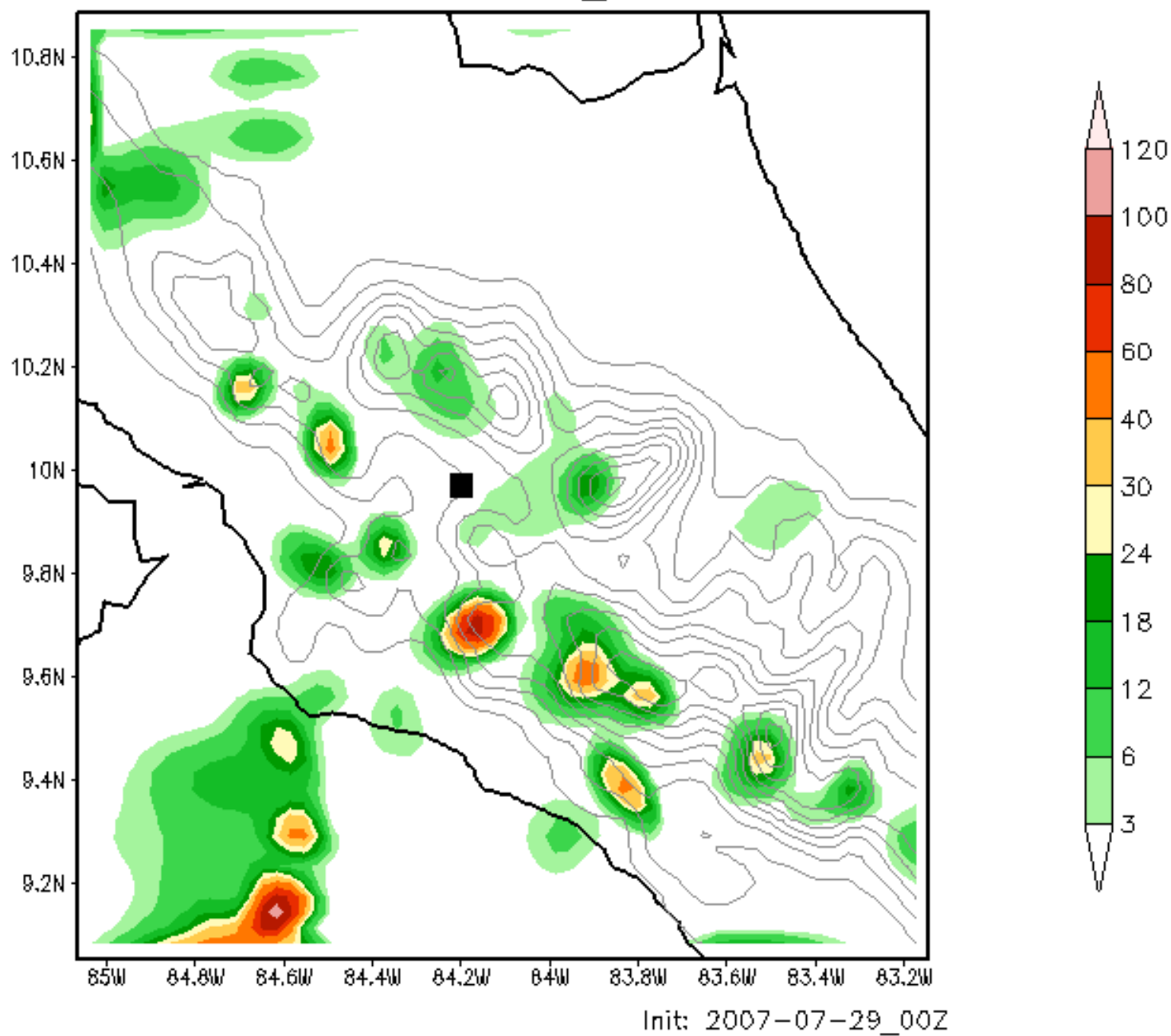
CIGEFI/UCR MM5: Precipitation in past 3 hrs (mm)
2007-07-29_12Z



CIGEFI/UCR MM5: Precipitation in past 3 hrs (mm)
2007-07-29_15Z



CIGEFI/UCR MM5: Precipitation in past 3 hrs (mm)
2007-07-29_18Z



CIGEFI/UCR MM5: Precipitation in past 3 hrs (mm)
2007-07-29_21Z

